

Grants Mining District: San Mateo Creek Basin

McKinley and Cibola Counties, New Mexico

January 2018

This Fact Sheet will tell you about...

- Site Background
- Current area activities
- For more information

Grants Mining District: San Mateo Creek Basin

The Grants Mining District (GMD) comprises an area of 100 miles by 25 miles in northwest New Mexico where uranium extraction and production activities occurred from the 1950s to the late 1980s. The Atomic Energy Commission was the sole purchaser of yellowcake produced from the 1940s through 1970. Over 52 million tons of uranium ore were extracted from GMD mines, constituting approximately 68% of the total uranium ore mined in the United States during this period.

The U.S. Environmental Protection Agency (EPA), U.S. Nuclear Regulatory Commission, U.S. Bureau of Land Management, U.S. Department of Energy, U.S. Department of Agriculture, New Mexico Environmental Department (NMED), New Mexico Mining and Minerals Division (NMMMD) and the New Mexico Department of Health are working to address radiological contamination throughout the Grants Mining District.

The San Mateo Creek Basin lies within the Grants Mining District. EPA has been investigating impacts from mining activities on the water-bearing units underlying the San Mateo Creek Basin. Many of the legacy mines operated as wet mines where the underground workings were dewatered and the collected mine water was discharged (untreated and treated) to nearby surface drainage features, including San Mateo Creek and Arroyo del Puerto. Mine discharge water infiltrated into the soils and sediment and significantly re-saturated portions of the alluvium and underlying bedrock aquifers throughout the basin. These operations contributed to the degradation of groundwater quality within the basin.

Current Status: San Mateo Creek Basin

EPA Region 6, with assistance from NMED and the U.S. Geological Survey, initiated a phased groundwater investigation for the San Mateo Creek Basin as part of an Expanded Site Inspection (ESI) to assess the nature and extent of contamination in the alluvial aquifer related to

legacy uranium mining and milling. The results from Phase 1 were released in November 2016. Phase 2 is currently underway and a report is expected later this year.

EPA is currently evaluating the San Mateo Creek Basin Site for potential National Priorities List (NPL) proposal and is conducting outreach activities with tribal, state and local community partners. As part of this outreach EPA contacted the New Mexico Environment Department in November 2017, seeking the State of New Mexico's concurrence on the potential proposal to listing of hazardous substances releases within the San Mateo Creek Basin on the NPL. EPA received a letter of support for potential NPL inclusion from New Mexico on January 12, 2018.

For more information, please contact...

Kevin Shade

GMD Regional Coordinator
U.S. EPA Region 6
214.665.2708

Adam Weece

Community Involvement Coordinator
U.S. EPA Region 6
214.665-2264

Media inquiries should be directed to the EPA Region 6 Press Office at 214.665.2200.

The primary GMD Information Repository, which contains information about Site activities, has been established at New Mexico State University. Additional background information about this site can found online at:

<https://www.epa.gov/grants-mining-district>

To receive future mailings electronically in portable document format (PDF), contact Adam Weece/U.S. EPA by e-mail at weece.adam@epa.gov and provide your name and e-mail address.